

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1-23. cancelled

24. (previously presented) An emission control system for a diesel engine, comprising:

an oxidation catalyst coupled downstream of the engine;

a particulate filter coupled downstream of said oxidation catalyst;

a lean NOx trap coupled downstream of said particulate filter; and a computer providing an indication that particulate filter regeneration is required based at least on a [measurement of an exhaust gas pressure upstream of said oxidation catalyst]signal from an exhaust gas sensor coupled only upstream of said oxidation catalyst, said computer further regenerating said particulate filter in response to said indication.

25-28. cancelled

29. (currently amended) The system as set forth in Claim [28]24 wherein said signal provided by said sensor coupled upstream of said oxidation catalyst is indicative of an exhaust gas pressure upstream of said diesel particulate filter.

30. (previously presented) The system as set forth in Claim 29 wherein said sensor is an absolute pressure sensor.

31. (first amended) The system as set forth in Claim 30 wherein said [code for regenerating said particulate filter] indication that particulate filter regeneration is required is further based on an atmospheric pressure.

32. (previously presented) The system as set forth in Claim 31 wherein said atmospheric pressure is calculated based on a Manifold Absolute Pressure sensor reading during vehicle start.